

CASE STUDY

ADVANCED SEWER PRODUCTS LTD - CAMSTOPPER™

Background

'Advanced Sewer Products' manufactures the patented Camstopper™ for the sealing of drain and sewer pipes during testing and repair works. The Camstopper™ is designed to be removed from above ground, thus ensuring that the operator is not in the drain, sewer or confined space when the effluent flow is released.

Scope of assessment

To assess the Camstopper™ for the temporary sealing of the end of an open pipe, duct or drain; there are no product standards for drain stoppers. EN 1610 and EN 752 are the leading standards for the design and construction of gravity sewerage and drainage pipes. The requirements of these standards, together with those of the relevant pipe standards and the performance claims of the product were used to assess the product.



Programme

1. Testing of the product was carried out on a diameter range of 98-103mm (100mm product) and 150mm – 153mm (150mm product), and covered:
 - ability to seal on a range of pipe surfaces (new clay and solid wall PVC pipes only);
 - performance with regard to watertightness; and
 - impact resistance.
2. Audit of the installation instructions, packaging and factory quality control.
3. Witness on-site installation for compliance with instructions.

Results

The assessment procedure found that the Camstopper™ met the requirements of Assessment Schedule PT/266/0903. The Camstopper™ meets the following claims :

- It withstood internal pressures of between 0.3 and 0.5 bar dependent on size and pipe material;
- It can be installed up to 1000 times without any deterioration in its function or performance;
- It is resistant to impact damage when dropped from a height of less than or equal to 3m;
- It is 3-6 times quicker to install, and 6-20 times quicker to retrieve than a traditional drain stopper.

A WRc Approved certificate was awarded to Advanced Sewer Products for the Camstopper™ in November 2003.

Details and Assessment Schedule PT/266/0903 can be viewed on www.wrcapproved.com